__6"X6" 6/6 WWM

4" MIN. STONE BASE REQUIRED FOR PRECAST DEPENDENT ON SUBGRADE FOR CAST IN PLACE

SECTION VIEW

#3 DOWELS @ 12" O.C.

BRICK SUPPORT

WATER METER VAULTS (3" TO 10") DETAIL W-8

DRAIN TO DITCH, STORM CULVERT, OR SUMP PUMP.

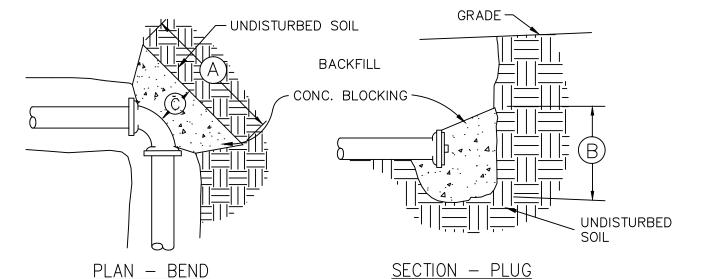
CONSTRUCTION NOTES:

- 1. CONCRETE SHALL HAVE 4,000 PSI MIN. COMPRESSIVE
- STRENGTH AT 28 DAYS. 2. REINFORCING BARS SHALL BE GRADE 60 DEFORMED STEEL.
- 3. METERS SHALL BE APPROVED BY BRUNSWICK COUNTY. 4. WHERE WALL MOUNTED STEPS ARE NOT ACCESSIBLE FROM HATCH, A PERMANENTLY MOUNTED LADDER MEETING O.S.H.A.
- STANDARDS SHALL BE PROVIDED. 5. RELOCATE REINFORCEMENT AROUND HATCH TO PROVIDE
- EQUIVALENT STEEL CROSS-SECTION. 6. ALL PIPING SHALL BE DUCTILE IRON.

MIN.	VAULT	DIMENSIONS		
METER SIZE	A	В	С	
3"	8'-6"	5'-6"	5'-0"	
4"	9'-6"	5'-6"	5'-0"	
6"	11'-0"	6'-0"	5'-6"	
8"	12'-0"	7'-0"	6'-0"	
10"	14'-0"	8'-0"	6'-0"	

- (1) AWWA C701 TURBINE METER OR AWWA C702 COMPOUND METER w/ENCODING REGISTER FOR REMOTE READING (SENSUS OR APPROVED EQUAL) METER MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY BRUNSWICK COUNTY
- ② STRAINER BY METER MANUFACTURER
- AS DETERMINED BY BRUNSWICK COUNTY, AWWA C508 SWING CHECK VALVE WITH LEVER & WEIGHT, OR SPRING, OR FLOMATIC MODEL 848/895 SPLIT DISC
- (4) AWWA C509 GATE VALVE w/HAND WHEEL
- AMR ITRON 50W-2 PIT ERT WITH COMPATIBLE REGISTER OR EQUIVALENT-MUST BE APPROVED BY BRUNSWICK COUNTY SINGLE OR DOUBLE LEAF ALUMINUM HATCH
- GRAVITY DRAIN TO DAYLIGHT OR SUMP PUMP WITH FORCE MAIN TO STORM DRAINAGE
- WATERTIGHT GASKET w/HYDRAULIC CEMENT SEAL SOLID MASONRY PIER FIXTURE SUPPORTS
- (1). STEPS SPACED AT 16" O.C.
- (1). IN-LINE TEE OR TAPPING SLEEVE w/VALVE AND BOX TO GRADE WITH LID MARKED "WATER"
- (2). ALL WATER METER VAULTS MUST BE SUBMITTED TO BRUNSWICK COUNTY ENGINEERING DEPARTMENT AS A SHOP SUBMITTAL FOR REVIEW AND APPROVAL.
- (3). METER VAULT LID SHALL REST ON TOP OF VAULT WALLS-NO JOINTS ARE ALLOWED IN VAULT WALLS- VAULT BOTTOM AND SIDES MAY BE PRECAST BUT TOP SHALL BE PLACED ON TOP OF WALLS.

BLOCK	KING D	IMENSI	ONS
PIPE SIZE	A	B	(C)
UP TO 10"	4' - 0"	2' - 6"	1' - 6"
12" TO 16"	5' - 0"	4' - 0"	2' - 0'
18" TO 24"	8' - 0"	6' - 0"	3' - 0'
	PIPE SIZE UP TO 10" 12" TO 16"	PIPE SIZE (A) UP TO 10" 4' - 0" 12" TO 16" 5' - 0"	UP TO 10" 4' - 0" 2' - 6" 12" TO 16" 5' - 0" 4' - 0"



SEE SECTION FOR DEPTH B

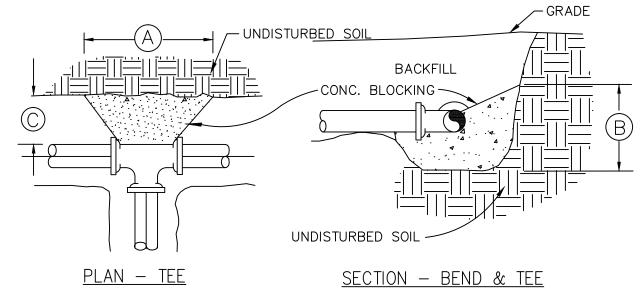
2500 P.S.I. CONC.

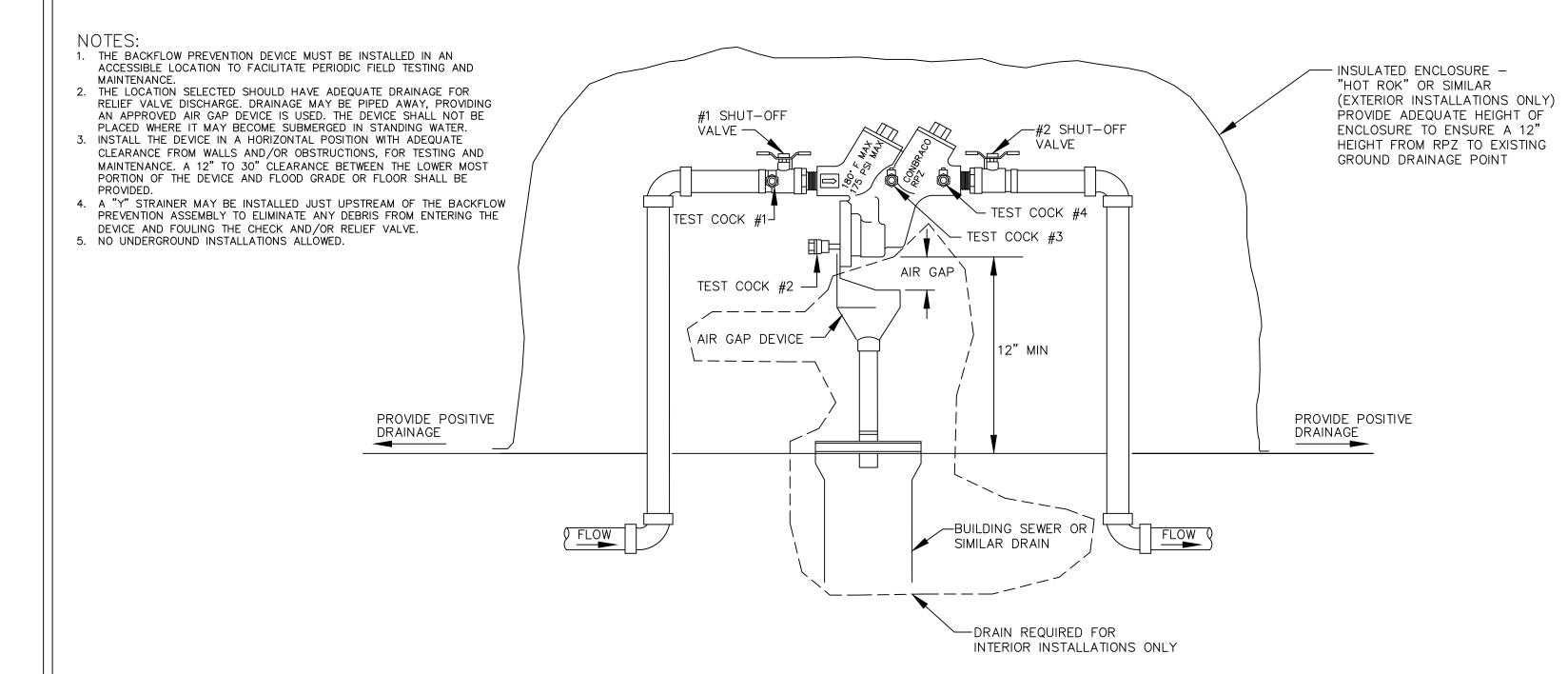
SEE SECTION FOR DEPTH B

- REMOVE LOOSE EARTH AND POUR AGAINST UNDISTURBED SOIL. BACKFILL TO EXISTING/FINISH GRADE AFTER CONCRETE
- HAS CURED FOR 24 HOURS. 4. CONCRETE SHALL NOT COVER FLANGES, BOLTS, MEGA-LUGS, RODS, ETC.

SEE PLAN FOR LENGTH A

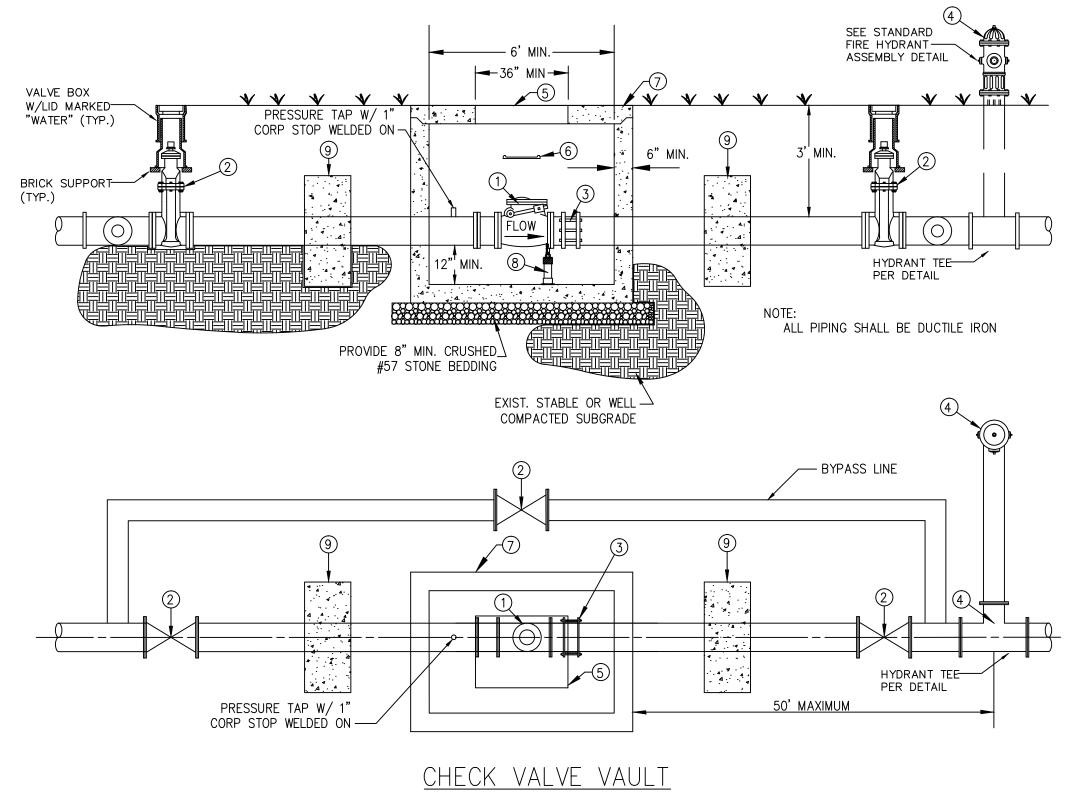
SEE PLAN FOR LENGTH A





STANDARD BACKFLOW PREVENTION DEVICE

DETAIL W-10



DETAIL W-11

AS DETERMINED BY BRUNSWICK COUNTY, AWWA C508 SWING CHECK VALVE WITH LEVER & WEIGHT OR SPRING OR FLOMATIC MODEL 848/895 SPLIT DISC. 2. GATE VALVE WITH ROADWAY BOX & SLAB AND VALVE MARKED "WATER". . FLANGED COUPLING ADAPTER HYDRANT ASSEMBLY INSTALLED ON DOWNSTREAM SIDE WITHIN 50' OF CHECK

- 5. ALUMINUM HATCH W/ COMPRESSION SPRING OPERATORS OR APPROVED STEPS SPACED AT 16" O.C.
- PRECAST REINFORCED CONCRETE VAULT WITH H20 LOAD RATING AND MIN. INSIDE DIMENSIONS: 6' L x 5' W x 4' D
- 8. STANDON MODEL S89 OR APPROVED EQUAL FIXTURE SUPPORT.
- 9. CONCRETE THRUST COLLAR PER SPECIFICATIONS.

Date: <u>06-01-12</u> Scale: NTS Drawn By: JDM Checked By: WLP

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Revisions